Green Code, Energy Efficiency in the Source Code for High-Performance Computing

Energy consumption is a key challenge in HPC (High-Performance Computing). Nowadays, as far as software is concerned, optimizations for energy saving are usually implemented at different levels, with an obvious lack of proposals so that the user could directly write energy-efficient code. This proposal aims to contribute to source code optimization so as to achieve optimal performances and maximum efficiencies in their executions, demonstrating the importance of certain strategies in creating code.

Fuente de la publicación:
Javier Corral-García, César Gómez-Martín, José-Luis González-Sánchez. Green Code, Energy Efficiency in the Source Code for High-Performance Computing. Sistemas y Tecnologías de la Información, Actas de la 10ª Conferencia Ibérica de Sistemas y Tecnologías de la Información, Vol. II. CISTI 2015. Águeda, Aveiro, Portugal. 17-20 junio 2015. ISBN: 978-989-98434-5-5. pp 61-64.

Proyectos relacionado:

- Green Code [1]

Noticias relacionadas:

- COMPUTAEX presenta su proyecto de investigación "Green Code" en la CISTI'2015 [2]

URL de origem:https://www.cenits.es/pt-pt/enlaces/publicaciones/green-code-energy-efficiency-source-code-high-performance-computing

Ligações
[1] https://www.cenits.es/proyectos/green-code [2] https://www.cenits.es/noticias/18062015-cenits-participa-10a-conferencia-iberica-sistemas-tecnologias-informacion